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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Hui-Ling Lou et al. Art Unit : Unknown  
Serial No.: 10/647,163 Examiner : Unknown  
Filed : August 21, 2003  
Title : LOW COMPLEXITY CHANNEL ESTIMATION FOR ORTHOGONAL  
FREQUENCY DIVISION MODULATION SYSTEMS

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

INFORMATION DISCLOSURE STATEMENT

Dear Sir:

Applicants call attention to the attached Information  
Disclosure Statement and the document listed on form PTO-1449.

This filing is being made before the receipt of a first  
Office action on the merits. No fee is required.

Consideration of the foregoing and enclosure plus the  
return of a copy of the enclosed form PTO-1449 with the  
Examiner's initials in the left column per MPEP 609 are  
earnestly solicited along with an early action on the merits.

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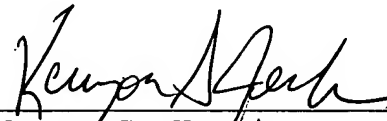
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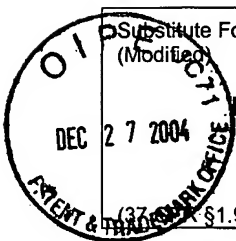
Respectfully submitted,

Date: December 16, 2004

  
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Substitute Form PTO-1449

(Modified)

U.S. Department of Commerce  
Patent and Trademark Office

Attorney's Docket No.

MP0284-13361-048001

Application No.

10/647,163

**Information Disclosure Statement  
by Applicant**

(Use several sheets if necessary)

(37 CFR § 1.98(b))

Applicant

Hui-Ling Lou et al.

Filing Date

August 21, 2003

Group Art Unit

**U.S. Patent Documents**

Examiner Initial	Desig. ID	Document Number	Publication Date	Patentee	Class	Subclass	Filing Date If Appropriate
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

**Foreign Patent Documents or Published Foreign Patent Applications**

Examiner Initial	Desig. ID	Document Number	Publication Date	Country or Patent Office	Class	Subclass	Translation	
							Yes	No
	AL							
	AM							
	AN							
	AO							
	AP							

**Other Documents (include Author, Title, Date, and Place of Publication)**

Examiner Initial	Desig. ID	Document
	AQ	"Part 16: Air Interface for Fixed Broadband Wireless Access Systems", IEEE Standard 802.16 (October 2004); pgs. 1-857.
	AR	
	AS	
	AT	

Examiner Signature

Date Considered

EXAMINER: Initials citation considered. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.